

IN THE CLAIMS

The following is a complete listing of revised claims with a status identifier in parentheses. Applicants note that the subject matter of claims 14 and 27 has been placed into claims 1 and 25, respectively. Accordingly, claims 14 and 27 have been cancelled. Similarly, some of the subject matter of claim 12 has been placed into claim 1. Claim 12 has been amended to reflect this change. By canceling claims 14 and 27 and amending claim 12 Applicants respectfully submit that no disclaimer of the original subject matter or scope of these claims is intended.

LISTING OF CLAIMS

1. (Currently Amended) A frame selection system comprising
~~adapted to:~~

a base station adapted to,

generate at least one enhanced frame comprising at least one error burst representation;

generate at least one enhanced frame copy comprising substantially the same data, structure and format of said at least one enhanced frame having at least one error burst representation; and

a frame selection unit adapted to,

combine an acceptable portion of the enhanced frame with an acceptable portion of the enhanced frame copy based on the error burst representations to

form a combined frame of a higher quality than the enhanced frame at least during a soft-handoff.

2. (Cancelled)

3. (Currently Amended) The system of claim 1 wherein the base station is further adapted to generate a primary enhanced frame.

4. (Currently Amended) The system of claim 1 wherein the base station is further adapted to generate a parallel enhanced frame.

5. (Cancelled)

6. (Currently Amended) The system of claim 1 wherein the base station is further adapted to store each of the error burst representations within a respective frame.

7. (Currently Amended) The system of claim 6 wherein the base station is further adapted to store each of the error burst representations within a respective frame quality indicator field.

8. (Previously Presented) The system of claim 1 wherein each of the error burst representations comprises an error-start indicator and an error-length indicator.

9. (Previously Presented) The system of claim 8, wherein each of the error-start indicators and the error-length indicators comprise binary code.

10. (Currently Amended) The system of claim 1, wherein the base station system comprises a wireless communications base station.

11. (Previously Presented) The system of claim 1, wherein the error burst representations are associated with a field or section of a respective frame.

12. (Currently Amended) The system of claim 1 wherein the frame selection unit is further adapted to evaluate a frame quality of the enhanced frame.

13. (Currently Amended) The system of claim 12 wherein the frame selection unit is further adapted to analyze at least one error burst representation within the enhanced frame.

14. (Cancelled)

15. (Currently Amended) The system of claim 1 wherein the frame selection unit is further adapted to:

accept the enhanced frame if a frame quality of the enhanced frame is above a threshold; and

discard the enhanced frame and request a replacement copy of the enhanced frame if the frame quality of the enhanced frame is below the threshold.

16. (Original) The system of claim 15, wherein the threshold is associated with a reference error burst length.

17. (Original) The system of claim 15, wherein the threshold comprises an adjustable threshold associated with one of a plurality of reference error burst lengths and reference error burst locations.

18. (Currently Amended) The system of claim 12 wherein the frame selection unit is further adapted to evaluate the frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame.

19. (Currently Amended) The system of claim 12 wherein the wherein the frame selection unit ~~device~~ is further adapted to generate a combined frame.

20. (Cancelled)

21. (Currently Amended) The system of claim 1 wherein the frame selection unit is further adapted to combine an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

22. (Currently Amended) The system of claim 1 wherein the frame selection unit is further adapted to combine an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of the enhanced frame copy.

23. (Currently Amended) The system of claim 1 wherein the frame selection unit is further adapted to combine an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

24. (Cancelled)

25. (Currently Amended) A frame selection unit ~~device~~ adapted to analyze at least one error burst representation within an enhanced frame;

analyze at least one error burst representation within an enhanced frame;

analyze at least one error burst representation within an enhanced frame copy comprising substantially the same data, structure and format of said enhanced frame;

combine an acceptable portion of the enhanced frame with an acceptable portion of the enhanced frame copy based on the respective error burst representations to form a combined frame of higher quality than the enhanced frame at least during a soft-handoff.

26. (Cancelled)

27. (Cancelled)

28. (Currently Amended) The frame selection unit ~~device~~ of claim 25, further adapted to:

accept the enhanced frame if a frame quality of the enhanced frame is above a threshold; and

discard the enhanced frame and request a replacement copy of the enhanced frame if the frame quality of the enhanced frame is below the threshold.

29. (Currently Amended) The frame selection unit ~~device~~ of claim 28, wherein the threshold is associated with a reference error burst length.

30. (Currently Amended) The frame selection unit ~~device~~ of claim 28, wherein the threshold comprises an adjustable threshold associated with one of a plurality of reference error burst lengths and reference error burst locations.

31. (Currently Amended) The frame selection unit ~~device~~ of claim 25, further adapted to evaluate a frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame.

32. (Currently Amended) The frame selection unit ~~device~~ of claim 25, further adapted to generate a combined frame.

33. (Cancelled)

34. (Currently Amended) The frame selection unit ~~device~~ of claim 25 further adapted to combine an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

35. (Currently Amended) The frame selection unit ~~device~~ of claim 25 further adapted to combine an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of the enhanced frame copy.

36. (Currently Amended) The frame selection unit ~~device~~ of claim 25 further adapted to combine an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

37. (Cancelled)

38. (Cancelled)

39. (Currently Amended) A frame selection unit ~~device~~ adapted to combine an acceptable portion of an enhanced frame comprising at least one error burst representation that includes an error start indicator and error length indicator with an acceptable portion of an enhanced frame copy having substantially the same data, structure and format of said enhanced frame based on an error burst representation within each frame to form a combined frame of a higher quality than the enhanced frame at least during a soft-handoff.

40. (Currently Amended) The frame selection unit device of claim 39 further adapted to combine an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

41. (Currently Amended) The frame selection unit device of claim 39 further adapted to combine an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of the enhanced frame copy.

42. (Currently Amended) The frame selection unit device of claim 39 further adapted to combine an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

43. (Currently Amended) The frame selection unit device as in claim 39 further adapted to:

evaluate a frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame; and

evaluate a frame quality of the enhanced frame copy based on a quality of a field or section of the enhanced frame copy.

44. (Currently Amended) The frame selection unit device of claim 43, wherein the device comprises a frame selection unit.

45. (Currently Amended) A frame selection method comprising:
generating at least one enhanced frame comprising at least one error burst representation;

generating at least one enhanced frame copy having substantially the same data, structure and format of said at least one enhanced frame comprising at least one error burst representation;

combining an acceptable portion of the enhanced frame with an acceptable portion of the enhanced frame copy based on the error burst representations to form a combined frame of a higher quality than the enhanced frame at least during a soft-handoff.

46. (Cancelled)

47. (Original) The method of claim 45, further comprising generating an enhanced primary frame.

48. (Original) The method of claim 45, further comprising generating an enhanced parallel frame.

49. (Cancelled)

50. (Previously Presented) The method of claim 45 further comprising storing each of the error burst representations within a respective frame.

51. (Previously Presented) The method of claim 50, further comprising storing each of the error burst representations within a respective frame quality indicator field.

52. (Previously Presented) The method of claim 45 wherein each of the error burst representations comprises an error-start indicator and an error-length indicator.

53. (Previously Presented) The method of claim 52, wherein each of the error-start indicators and the error-length indicators comprise binary code.

54. (Previously Presented) The method of claim 45 wherein the error burst representations are associated with a particular field or section of a respective frame.

55. (Previously Presented) The method of claim 45 further comprising evaluating a frame quality of the enhanced frame.

56. (Previously Presented) The method of claim 55, further comprising analyzing the at least one error burst representation within the enhanced frame.

57. (Original) The method of claim 55, further comprising:
accepting the enhanced frame if the frame quality of the enhanced frame is above a threshold; and

discarding the enhanced frame and requesting a replacement copy of the enhanced frame if the frame quality of the enhanced frame is below the threshold.

58. (Original) The method of claim 57, wherein the threshold is associated with a reference error burst length.

59. (Original) The method of claim 57, wherein the threshold comprises an adjustable threshold associated with one of a plurality of reference error burst lengths and reference error burst locations.

60. (Original) The method of claim 55, further comprising evaluating the frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame.

61. (Previously Presented) The method of claim 45 further comprising generating a combined frame.

62. (Cancelled)

63. (Previously Presented) The method of claim 45 further comprising an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

64. (Previously Presented) The method of claim 45 further comprising combining an acceptable portion from a field or section of the enhanced frame

and an acceptable portion from a same field or section of the enhanced frame copy.

65. (Previously Presented) The method of claim 45 further comprising combining an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

66. (Cancelled)

67. (Currently Amended) A frame selection method comprising:
analyzing at least one error burst representation within an enhanced frame;

analyzing at least one error burst representation within an enhanced frame copy having substantially the same data, structure and format of said enhanced frame;

combining an acceptable portion of the enhanced frame with an acceptable portion of the enhanced frame copy based on the error burst representations to form a combined frame of a higher quality than the enhanced frames at least during a soft-handoff.

68. (Cancelled)

69. (Previously Presented) The method of claim 67, further comprising:

accepting the enhanced frame if a frame quality of the enhanced frame is above a threshold; and

discarding the enhanced frame and requesting a replacement copy of the enhanced frame if the frame quality of the enhanced frame is below the threshold.

70. (Original) The method of claim 69, wherein the threshold is associated with a reference error burst length.

71. (Original) The method of claim 69, wherein the threshold comprises an adjustable threshold associated with one of a plurality of reference error burst lengths and reference error burst locations.

72. (Previously Presented) The method of claim 67, further comprising evaluating a frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame.

73. (Original) The method of claim 67, further comprising generating a combined frame.

74. (Cancelled)

75. (Previously Presented) The method of claim 67 further comprising combining an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

76. (Previously Presented) The method of claim 67 further comprising combining an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of the enhanced frame copy.

77. (Previously Presented) The method of claim 67 further comprising combining an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

78. (Cancelled)

79. (Currently Amended) A method comprising combining an acceptable portion of an enhanced frame comprising at least one error burst representation that includes an error start indicator and an error length indicator with an acceptable portion of an enhanced frame copy having substantially the same data, structure and format of said at least one enhanced frame based on an error burst representation within each frame to form a combined frame of a higher quality than the enhanced frame at least during a soft-handoff.

80. (Previously Presented) The method of claim 79 further comprising combining an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

81. (Previously Presented) The method of claim 79 further comprising combining an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of the enhanced frame copy.

82. (Previously Presented) The method of claim 79 further comprising combining an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

83. (Previously Presented) The method of claim 79 further comprising:

evaluating a frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame; and

evaluating a frame quality of the enhanced frame copy based on a quality of a field or section of the enhanced frame copy.